

LAURA SERIES FOR NICHIA 119 / 219 LEDs



- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- Best available optical efficiency, up to 90%, with an extremely good cutoff of light
- Integrated holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- Please check fastening details from this link:
(http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)
- Compact dimensions 21.6 x 21.6 mm. Square form enables easy build of matrix without any gaps between lenses.

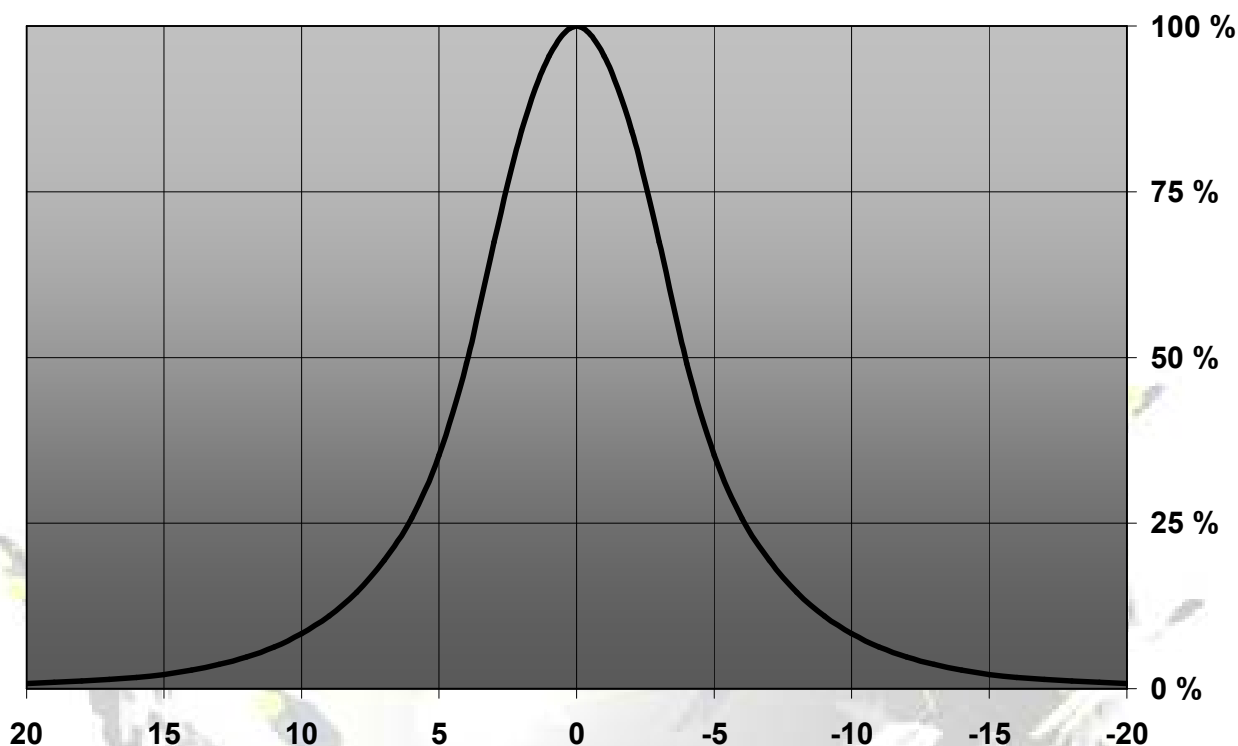
LENS TYPES

NAME	ORDERING CODE	FWHM Angle
LAURA real spot	CA11697_Laura-RS-N19-tape	±4°
LAURA smooth spot	CA11646_Laura-SS-N19-tape	to be measured shortly
LAURA diffuser	CA11362_Laura-D-N19-tape	±8°
LAURA medium	CA11357_Laura-M-N19-tape	±14
LAURA oval	CA11367_Laura-O-N19-tape	to be measured shortly
LAURA Wide reflector	CA11427_Laura-Refl-W-N19-tape	to be measured shortly

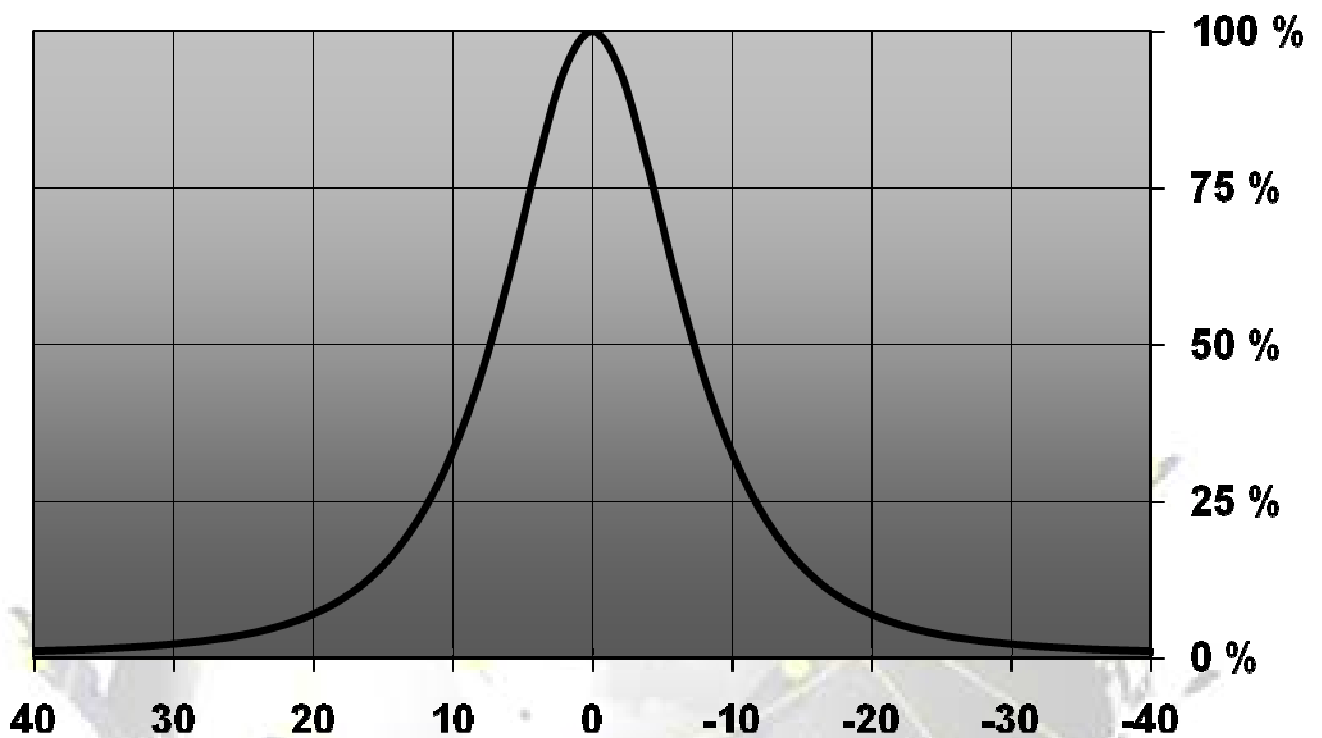
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MEASUREMENTS

Relative Intensity of CA11697_Laura-RS-N119-tape

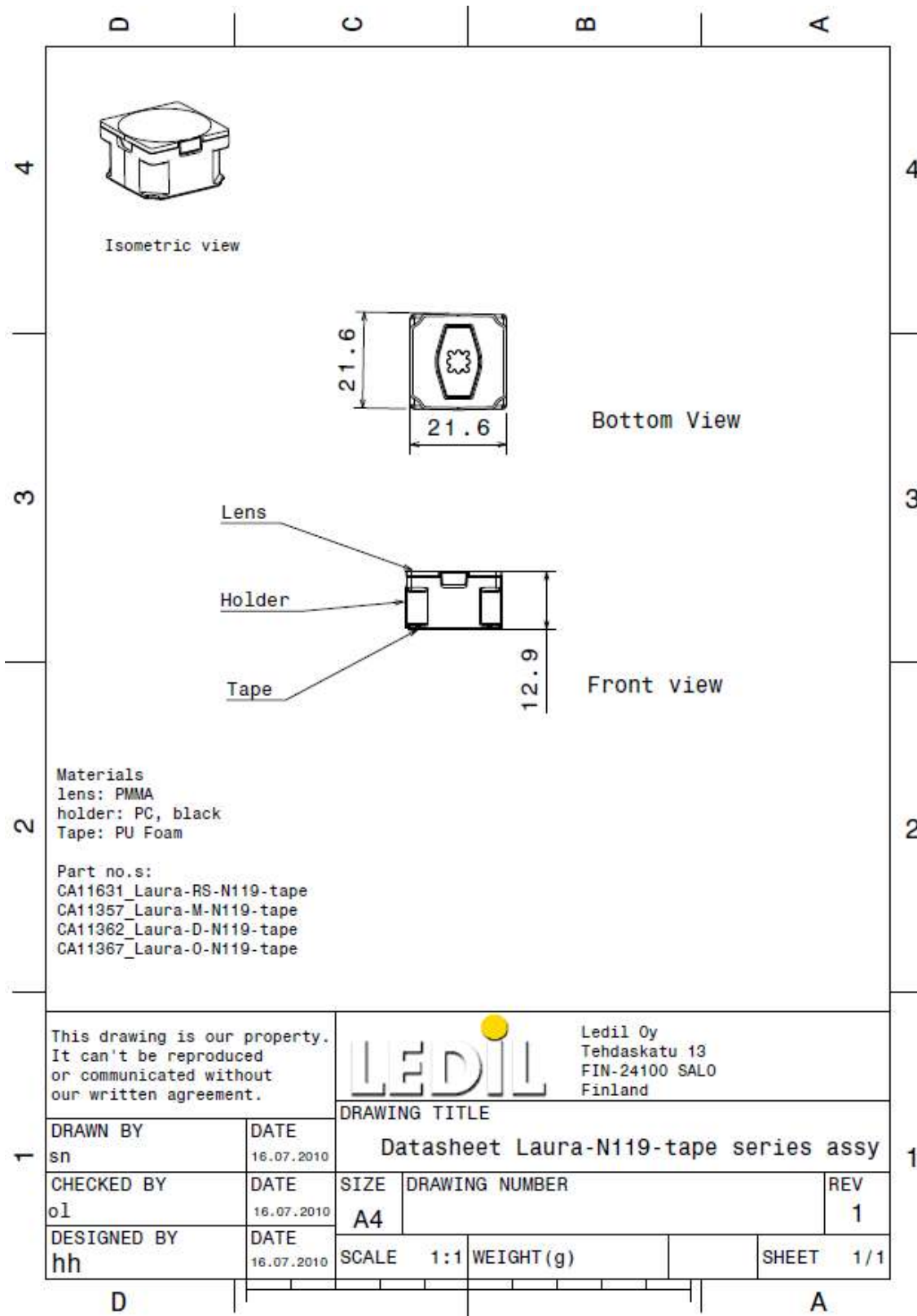


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Relative intensity of CA11362_Laura-D-N119-tape

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DRAWINGS



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[C17171_DAISSY-8X1-SHD-MATT](#) [C17172_DAISSY-8X1-SHD-MATT-WHT](#) [C17173_DAISSY-4X1-WW-US](#) [C17341_DAISSY-4X1-WW-US-D](#) [CS15759_HB-2X2MX-8-W](#) [CS15769_STRADA-2X2MX-8-T2-S](#) [CA16435_LXP2-SS-WAS](#) [CS13756_STRADA-IP-2X6-DWC-PC](#)
[CN16210_GABRIELLA-MIDI-W](#) [CP17138_CARMEN-M2-C-WHT](#) [CP17137_CARMEN-M2-C](#) [CA16015_STRADA-SQ-SCL](#)
[C16989_DAISSY-7X1-W2](#) [C17225_DAISSY-7X1-SHD-WHT-MATT](#) [C17296_ILONA-ZOOM-SUB](#) [FP15752_STRADA-2X2MXS-T3](#)
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